

SUPPLEMENTAL MATERIAL

Supplementary Table 1: hsTnT and time to 90-day All-Cause Mortality/ED Visits/Re-hospitalization

	Censored	Dead or Visit	Unadjusted Analysis		Adjusted Analysis	
			HR (Mortality)	p-value	HR (Mortality)	p-value
TROPONIN BASELINE	N=274	N=139				
Low (<14ng/L)	60 (21.9%)	33 (23.7%)	0.98 (0.65-1.49)	0.9385	1.16 (0.75-1.80)	0.5120
3-HOUR TROPONIN	N=249	N=134				
Low (<14ng/L)	55 (22.1%)	26 (19.4%)	0.77 (0.49-1.20)	0.2451	0.86 (0.54-1.38)	0.5316
TROPONIN BASELINE	N=274	N=139				
Low (<19ng/L)	89 (32.5%)	50 (36.0%)	0.98 (0.68-1.41)	0.9027	1.18 (0.79-1.76)	0.4309
3-HOUR TROPONIN	N=249	N=134				
Low (<19ng/L)	81 (32.5%)	41 (30.6%)	0.78 (0.53-1.14)	0.1945	0.88 (0.58-1.34)	0.5465
TROPONIN BASELINE	N=274	N=139				
Low (<14/22ng/L) (m/f)	90 (32.8%)	46 (33.1%)	0.90 (0.62-1.31)	0.5853	1.05 (0.70-1.57)	0.8122
3-HOUR TROPONIN	N=249	N=134				
Low (<14/22ng/L) (m/f)	86 (34.5%)	44 (32.8%)	0.83 (0.57-1.22)	0.3458	0.95 (0.63-1.43)	0.8142
SERIAL TROPONIN VALUES						
BOTH LOW VS. EITHER/BOTH HIGH	N=218	N=114				
Low (<14ng/L)	41 (18.8%)	21 (18.4%)	0.85 (0.52-1.39)	0.5090	0.98 (0.58-1.65)	0.9351
BOTH LOW VS. EITHER/BOTH HIGH	N=218	N=114				
Low (<19ng/L)	64 (29.4%)	36 (31.6%)	0.93 (0.62-1.41)	0.7297	1.10 (0.70-1.72)	0.6932
BOTH LOW VS. EITHER/BOTH HIGH	N=218	N=114				
Low (<14/22ng/L) (m/f)	66 (30.3%)	33 (28.9%)	0.83 (0.54-1.26)	0.3782	0.95 (0.60-1.48)	0.8107

all analyses by Cox proportional hazards regression stratified by study site

Adjusted analysis covariates: Age, $\text{Log}_{10}(\text{NTproBNP})$

Key: f = female; m= male

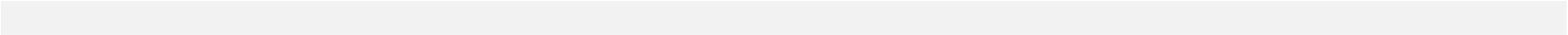
Supplemental Table 2: hsTnT and 90-day All-Cause Mortality

	Adjusted Analysis				Adjusted Variables
	Alive	Dead	OR (Mortality)	p-value	Age per 5 year, Log ₁₀ (NTproBNP) per 1 increments
Troponin Baseline	N=239	N=20			Age: 1.07 (0.88-1.29)
Low (<14ng/L)	57 (23.8%)	1 (5%)	0.37 (0.05-2.96)	0.3463	NTproBNP (7.60 (2.36-24.51))
3-Hour Troponin	N=217	N=20			Age: 1.04 (0.86-1.25)
Low (<14ng/L)	49 (22.6%)	1 (5%)	0.35 (0.04-2.84)	0.3283	NTproBNP: 7.83 (2.32-26.37)
Troponin Baseline	N=239	N=20			Age:1.06 (0.88-1.28)
Low (<19ng/L)	90 (37.7%)	2 (10%)	0.44 (0.09-2.13)	0.3072	NTproBNP: 7.01 (2.12-23.22)
3-Hour Troponin	N=217	N=20			Age: 1.03 (0.86-1.24)
Low (<19ng/L)	78 (35.9%)	2 (10%)	0.45 (0.09-2.15)	0.3156	NTproBNP: 7.25 (2.10-25.10)
Troponin Baseline	N=239	N=20			Age: 1.07 (0.88-1.29)
Low (<14/22ng/L) (m/f)	85 (35.6%)	1 (5%)	0.19 (0.02-1.53)	0.1199	NTproBNP: 6.50 (2.01-21.02)
3-Hour Troponin	N=217	N=20			Age: 1.03 (0.85-1.24)
Low (<14/22ng/L) (m/f)	84 (38.7%)	2 (10%)	0.34 (0.07-1.59)	0.1705	NTproBNP: 7.07 (2.08-24.05)
SERIAL TROPONIN VALUES					
Both Low Vs. Either/Both High	N=192	N=19			
Low (<14ng/L)	40 (20.8%)	0 (0%)	N/A	N/A	
Both Low Vs. Either/Both High	N=192	N=19			Age: 1.03 (0.85-1.24)
Low (<19ng/L)	64 (33.7%)	2 (10.5%)	0.48 (0.10-2.28)	0.3533	NTproBNP: 6.88 (2.06-23.00)
Both Low Vs. Either/Both High	N=192	N=19			Age: 1.03 (0.85-1.24)
Low (<14/22ng/L) (m/f)	65 (33.9%)	1 (5.3%)	0.19 (0.02-1.55)	0.1218	NTproBNP: 6.34 (1.91-21.02)

All adjusted analyses by logistic regression. Adjusted analysis, covariates: Age, $\log_{10}(\text{NTproBNP})$. Key: f = female; m = male

Supplementary Table 3: hsTnT and 90-day All-Cause Mortality

	Alive	Dead	Unadjusted Analysis		Adjusted Analysis	
			OR (Mortality)	p-value	OR (Mortality)	p-value
TROPONIN BASELINE	N=239	N=20				
Low (<14ng/L)	57 (23.8%)	1 (5%)	0.16 (0.02-1.24)	0.0788	0.32 (0.04-2.71)	0.2976
3-HOUR TROPONIN	N=217	N=20				
Low (<14ng/L)	49 (22.6%)	1 (5%)	0.14 (0.02-1.10)	0.0616	0.28 (0.03-2.38)	0.2457
TROPONIN BASELINE	N=239	N=20				
Low (<19ng/L)	90 (37.7%)	2 (10%)	0.18 (0.04-0.81)	0.0252	0.42 (0.08-2.14)	0.2983
3-HOUR TROPONIN	N=217	N=20				
Low (<19ng/L)	78 (35.9%)	2 (10%)	0.17 (0.04-0.78)	0.0230	0.40 (0.08-2.05)	0.2728
TROPONIN BASELINE	N=239	N=20				
Low (<14/22ng/L) (m/f)	85 (35.6%)	1 (5%)	0.09 (0.01-0.66)	0.0182	0.17 (0.02-1.43)	0.1039
3-HOUR TROPONIN	N=217	N=20				
Low (<14/22ng/L) (m/f)	84 (38.7%)	2 (10%)	0.13 (0.03-0.59)	0.0085	0.26 (0.05-1.30)	0.1013
SERIAL TROPONIN VALUES						
BOTH LOW VS. EITHER/BOTH HIGH	N=192	N=19				
Low (<14ng/L)	40 (20.8%)	0 (0%)	N/A	N/A	N/A	N/A
BOTH LOW VS. EITHER/BOTH HIGH	N=192	N=19				
Low (<19ng/L)	64 (33.3%)	2 (10.5%)	0.23 (0.05-1.04)	0.0567	0.48 (0.09-2.44)	0.3753
BOTH LOW VS. EITHER/BOTH HIGH	N=192	N=19				
Low (<14/22ng/L) (m/f)	65 (33.9%)	1 (5.3%)	0.09 (0.01-0.72)	0.0227	0.18 (0.02-1.52)	0.1154



all analyses by logistic regression stratified by study site

Adjusted analysis covariates: Age, $\text{Log}_{10}(\text{NTproBNP})$

Key: f = female; m= male

Supplemental Table 4: hsTnT and 90-day All-Cause Mortality

	Adjusted Analysis				Adjusted Variables
	Alive	Dead	OR (Mortality)	p-value	Age per 5 year, Log ₁₀ (NTproBNP) per 1 increments
Troponin Baseline	N=239	N=20			Age: 1.08 (0.88-1.33)
Low (<14ng/L)	57 (23.8%)	1 (5%)	0.32 (0.04-2.71)	0.2976	NTproBNP (9.59 (2.78-33.03))
3-Hour Troponin	N=217	N=20			Age: 1.03 (0.83-1.27)
Low (<14ng/L)	49 (22.6%)	1 (5%)	0.28 (0.03-2.38)	0.2457	NTproBNP: 10.11 (2.67-38.26)
Troponin Baseline	N=239	N=20			Age:1.08 (0.88-1.32)
Low (<19ng/L)	90 (37.7%)	2 (10%)	0.42 (0.08-2.14)	0.2983	NTproBNP: 8.90 (2.52-31.42)
3-Hour Troponin	N=217	N=20			Age: 1.02 (0.83-1.26)
Low (<19ng/L)	78 (35.9%)	2 (10%)	0.40 (0.08-2.05)	0.2728	NTproBNP: 9.42 (2.43-36.45)
Troponin Baseline	N=239	N=20			Age: 1.08 (0.88-1.34)
Low (<14/22ng/L) (m/f)	85 (35.6%)	1 (5%)	0.17 (0.02-1.43)	0.1039	NTproBNP: 8.19 (2.35-28.55)
3-Hour Troponin	N=217	N=20			Age: 1.02 (0.82-1.25)
Low (<14/22ng/L) (m/f)	84 (38.7%)	2 (10%)	0.26 (0.05-1.30)	0.1013	NTproBNP: 8.91 (2.33-34.11)
SERIAL TROPONIN VALUES					
Both Low Vs. Either/Both High	N=192	N=19			
Low (<14ng/L)	40 (20.8%)	0 (0%)	N/A	N/A	
Both Low Vs. Either/Both High	N=192	N=19			Age: 1.01 (0.82-1.24)
Low (<19ng/L)	64 (33.7%)	2 (10.5%)	0.48 (0.09-2.44)	0.3753	NTproBNP: 9.85 (2.61-37.18)
Both Low Vs. Either/Both High	N=192	N=19			Age: 1.01 (0.82-1.25)
Low (<14/22ng/L) (m/f)	65 (33.9%)	1 (5.3%)	0.18 (0.02-1.52)	0.1154	NTproBNP: 8.96 (2.33-34.38)

All adjusted analyses by logistic regression stratified by study site. Adjusted analysis, covariates: Age, $\log_{10}(\text{NTproBNP})$. Key: f = female; m= male

Supplemental Table 5: hsTnT and time to 90-day All-Cause Mortality

			Unadjusted Analysis		Adjusted Analysis	
	Alive	Dead	HR (Mortality)	p-value	HR (Mortality)	p-value
TROPONIN BASELINE	N=393	N=20				
Low (<14ng/L)	92 (23.4%)	1 (5.0%)	0.18 (0.02-1.37)	0.0978	0.39 (0.05-3.10)	0.3734
3-HOUR TROPONIN	N=363	N=20				
Low (<14ng/L)	80 (22.0%)	1 (5.0%)	0.17 (0.02-1.28)	0.0849	0.36 (0.05-2.88)	0.3364
TROPONIN BASELINE	N=393	N=20				
Low (<19ng/L)	137 (34.9%)	2 (10.0%)	0.21 (0.05-0.93)	0.0392	0.51 (0.11-2.41)	0.3938
3-HOUR TROPONIN	N=363	N=20				
Low (<19ng/L)	120 (33.1%)	2 (10.0%)	0.21 (0.05-0.94)	0.0408	0.48 (0.10-2.30)	0.3598
TROPONIN BASELINE	N=393	N=20				
Low (<14/22ng/L) (m/f)	135 (34.4%)	1 (5.0%)	0.09 (0.01-0.75)	0.0252	0.21 (0.03-1.62)	0.1327
3-HOUR TROPONIN	N=363	N=20				
Low (<14/22ng/L) (m/f)	128 (35.3%)	2 (10.0%)	0.17 (0.04-0.75)	0.0197	0.35 (0.08-1.67)	0.1889
SERIAL TROPONIN VALUES						
BOTH LOW VS. EITHER/BOTH HIGH	N=313	N=19				
Low (<14ng/L)	62 (19.8%)	0 (0%)	N/A	N/A	N/A	N/A
BOTH LOW VS. EITHER/BOTH HIGH	N=313	N=19				
Low (<19ng/L)	98 (31.3%)	2 (10.5%)	0.26 (0.06-1.15)	0.0757	0.56 (0.12-2.65)	0.4687
BOTH LOW VS. EITHER/BOTH HIGH	N=313	N=19				
Low (<14/22ng/L) (m/f)	98 (31.3%)	1 (5.3%)	0.11 (0.01-0.84)	0.0332	0.22 (0.03-1.74)	0.1520

all analyses by Cox proportional hazards regression stratified by study site

Adjusted analysis covariates: Age, $\text{Log}_{10}(\text{NTproBNP})$

Key: f = female; m= male